RFX. No. 4000079290 Subject: **Pre-Bid Clarification no. 1**			نقل الكهرباء National Grid SA
	Reference in Bid Package	**BIDDER'S QUERY**	**COMPANY (National Grid SA) RESPONSE**
1.	**EHV SOW-24CM335**	D. 80/100MVA 380/33kV power transformer vector group YNyn0+d1. Please kindly informed us the capacity and voltage of the TV(d1).	The capacity of TV shall be as per clause 4.3.7 of 53-TMSS-01, Rev.02. The Voltage level of TV (for 80/100MVA 380/33kV power transformer vector group YNyn0+d1) shall be 13.8kV.
2.	**EHV SOW-24CM335**	D. 80/100MVA 380/33kV power transformer vector group YNyn0+d1. The PTS document of EHV SOW-24CM335 document page 122/132 contains the information of 24CM1046. Please clarify it. Note: SOW-24CM335 is 380kV PTS file. 24CM1046 is 110-115-132kV PTS file.	80/100MVA 380/33kV power transformer vector group YNyn0+d1 shall be under PTS-24CM335.
3.	5.2 Schedule B - Attachment-II	About the cable, we can meet the technical requirement, but the scope of supply needs to confirm the specific meter with attachment highlighted in color.	Please be informed that Supply of cable is not included in this Scope of Work. While In the mentioned document highlighted items referred to Types of required Bushing find below picture from PTS for clear understanding. The power transformer shall be one of the following types as detailed below: a) 380/132kV or 380/115kV Auto power Transformer:

S/NO.	SPECIFICATION	RATING			UNITS	REMARKS
1.	Voltage Rating	Primary	Secondary	Tertiary		
		380	132 or 115	13.8	kV	
2.	Bushings	Oil/SF6	Oil/SF6 Oil/Air Oil/XLPE	Oil/Air (Cable Box)		- Common Neutral for Auto Transformer Oil/Air
3.	Vector Group	YNa0d1				
4.	Cooling	ONAN	ONAF1	ONAF2		
	HV Rating	302.5	402.5	502.5	MVA	
	LV Rating	300	400	500		
	TV Rating	2.5	2.5	2.5		
5.	Type	Three Phase				
6.	Frequency	60			Hz	
7.	$Z_{(HV-LV)}$ Principal Tap	19			%	At 500 MVA base
8.	Tap Range	+10% to -15%				
	Step Size	1.25				
9.	Online DGA	As per 53-TMSS-03				

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4.	In "INSTRUCTIONS TO MANUFACTURERS FOR TECHNICAL PROPOSAL (FIRST STAGE BID)" document, on page 9/10	*"Bidder shall provide duly signed and stamped softcopy of the complete tender documents [Scope of Work and Technical Specifications and TMSS including Appendices, Pre bid Clarification, if any, /schedule B and Technical Instructions to Bidders] in Folder IX."* We could not find information regarding Folder IX.	Please be informed that instead of folder IX, bidders Please follow the folder V as mentioned in INSTRUCTIONS TO MANUFACTURERS FOR TECHNICAL PROPOSAL (FIRST STAGE BID), Clause 4.3 table. Find Attached updated ITB DOCUMENT along with Annexures.
5.	In "INSTRUCTIONS TO MANUFACTURERS FOR TECHNICAL PROPOSAL (FIRST STAGE BID)" document, on page 9/10	*"Bidder shall submit the Technical Checklist for equipment /materials mentioned as per Clause no.2 "Contents of Technical Proposal" of the ITB for Technical Proposal. This checklist shall be provided in a separate envelope along with Flash memory. Non-submittal of the Technical Checklist may be used as ground for the rejection of the bid proposal completely. (Please use the format given in Annexure XV - Technical Proposal Checklist)."* We could not find information regarding Annexure XV.	Please refer to clause 4.3 for the preparation of technical proposal: "Technical Proposal: The Technical Proposal shall be submitted in soft copy in read-only PDF format, indexed, searchable, book-marked, properly arranged for the subject CONTRACT in three (3) Folders, marked as Folder I, II, III, IV and V, as given in the table below. Each folder shall consist of all the documents mentioned in Section 5.0" Find Attached updated ITB DOCUMENT along with Annexures.
6.	In "INSTRUCTIONS TO MANUFACTURERS FOR TECHNICAL PROPOSAL (FIRST STAGE BID)" document, on page 9/10	*"iii. All Pre-Bid Clarifications shall be in the Format indicating Bidder's Letter Reference/Date (Hard copy and soft word copy) given in Annexure-XIV."* We could not find information regarding Annexure XIV.	Please find attached updated annexure X containing Prebid clarification format document.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
7.	PTS#24CM335- Page 21/62- Clause #2.B, item #9	LVN bushing will be connected to copper bus bar and brought down to bottom of the transformer for connection to NGR or earth. Hence no cable support required. Please confirm. 9. Neutral Grounding Resistors (NGR) (if applicable) — Cable Tray/Support on the Power Transformer shall be provided for the cable connecting the NGR with neutral Bushing.	Cable Tray/Support on the Power Transformer/Auto Transformers for the cable connecting the NGR with neutral Bushing are required.
8.	PTS#24CM335- Page 21/62- Clause #2.B, item #10	Provision for Grounding transformer shall be provided in the TV cable box. Not for LV cable box. Please confirm. 10. Grounding Transformer (if applicable) — Provide the provision for grounding transformer in the LV Cable Box.	Bidder understanding is correct.
9.	PTS#24CM335- Page 48/62- Clause #4.2.D.a	Common neutral not applicable for 80/100MVA Transformer as it is not an auto transformer. Please confirm. 2. Bushings — Oil/SF6 — Oil/Air (Cable Box) — See note — Common Neutral for Auto Transformer Oil/Air	Bidder understanding is correct.
10.	PTS#24CM335- Page 48/62- Clause #4.2.D.a	Tertiary voltage rating of the 80/100MVA Transformer shall be 13.8kV, Please confirm.	Bidder understanding is correct.
11.	PTS#24CM335- Page 48/62- Clause #4.2.D.a	Type of neutral termination of HVN is not provided. Please confirm if it is via oil to air bushing.	Bidder understanding is correct.
12.	PTS#24CM335- Page 48/62- Clause #4.2.D.a	Type of neutral termination of LVN is not provided. Please confirm if it is via open air bushing.	Bidder understanding is correct.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
13.	PTS#24CM335- Page 49/62- Clause #4.2.E.ii	Please confirm if providing surge arresters on tertiary winding is mandatory requirement. Kindly confirm for each case when TV is loaded and unloaded. ii. Metal Oxide Surge Arrester (Class SH) with bracket mounted on tertiary windings. Voltage rating and protective level of arresters shall be as required by insulation coordination study and type of system grounding. iii. Tertiary winding surge arrester shall be provided and mounted inside the TV cable termination box.	Refer to clause 2.B.6 of interface requirements.
14.	PTS#24CM335- Page 50/62- Clause #4.2.C.e	Surge arresters mounting brackets are not applicable as termination is oil to SF6 only I case of 380kV autotransformers. Please confirm. e) Power Transformers with outdoor HV Bushings shall be provided with respective voltage of the transformer; as applicable outdoor, station class, metal-oxide Surge Arresters that to be mounted on the designated Auto Power Transformers brackets.	Surge arrester is not applicable for oil/SF6 bushing type.
15.	PTS#24CM335- Page 51/62- Clause #4.2.c.I	Bidding under this purchase contract shall be for altitude less than or equal 1000m. Please confirm. i. For Auto power transformer(s)/Power Transformers to be installed in locations with elevation higher than 1000m up to 3000m (if applicable), the Auto power transformer(s)/ Power Transformers accessories (including bushing dimensions), shall be properly designed to meet the specific environment requirements.	Bidder understanding is not correct.
16.	PTS#24CM335- Page 52/62- Clause #4.2.c.m.iii	All the special tests as per IEC/IEEE to be conducted on one unit of each type. Please confirm that short circuit test not meant by this clause, no short circuit will be conducted under this purchase contract. iii. All Special Tests listed under clause 6.3.1 of 53-TMSS-01, shall be carried out on all Auto Power Transformers/Power Transformers under this Purchase Contract. All other special tests required per IEC/ANSI shall be carried out only on one representative Auto Power Transformer/Power Transformer unit for each type of Auto Power Transformer/Power Transformers under this Purchase Contract.	As indicated in the SOW/TS, All Special Tests listed under clause 6.3.1 of 53-TMSS-01, shall be carried out on all Power Transformers under this Purchase Contract. All other special tests required per IEC/ANSI shall be carried out only on one representative Power Transformer unit for each type of Power Transformer under this Purchase Contract.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
17.	PTS#24CM335- Clause 4.5/Table 4.01	No calculations and drawings will be required during bid stage. Hence, EHV transformers and reactors layouts drawings will not be part of bid-stage submission. Please confirm.	Refer to clause 4.5 of the SOW/TS.
18.	PTS#24CM335-Appendix-2	Blank data Schedules (under column "A") are provided for EHV Transformers and Reactors, SEC may kindly provide the filled-in Data Schedules under column "A" for each item.	Data schedule shall be filled in by Manufacturer as per SOW/TS requirements taking into consideration the following points: 1- High voltage bushings, HV Neutral bushing and LV Neutral Bushing shall be on the TOP and Vertical terminal Take off angle. 2- Tertiary Bushing shall be on the side and Horizontal terminal take off angle.
19.	PTS#24CM335	Kindly confirm if there is any X/R requirement for EHV Transformers.	X/R shall be as per company standards
20.	PTS#24CM335	What are the maximum total losses at ONAN rating of the EHV transformers. Do you have any specific losses (No-load and Load losses) requirements for EHV transformers or reactors.	EHV transformers/Reactors losses shall be as per Company standards and specifications.
21.	PTS#24CM335	The only difference between 302.5/402.5/502.5MVA 380/132/13.8 kV EHV Transformers of COA and SOA is that COA transformer has voltage variation of -15% to +10% and SOA transformer have -12.5% to +10%. Is it possible to unify to COA transformer as it covers voltage range of SOA as well?	Bidder shall stick with SOW/ PTS requirements
22.	PTS#24CM335	TV winding termination will be air cable box when TV loaded and Open-air bushings for external grounding when TV is unloaded. Please confirm our understanding	Tertiary Winding if Not Loaded: The Tertiary windings of the transformer will be externally connected to the ground as per IEC recommendations. Tertiary Winding if Loaded: Tertiary Winding shall be grounded through ZigZag transformer if loaded with Station Service Transformer.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
23.	PTS#24CM335	Please confirm that voltage variation is on HV side (380kV) for both Auto transformers and Power Transformers	TAP changer shall be installed on the high voltage side of Power transformers/Auto transformers
24.	PTS#24CM335 Appendix-3 Protection requirements	302/402/502MVA and 452.5/602.5/750.5 MVA rating shall be removed from Protection requirements to be inline with PTS addendum 1	Noted and Bidder shall follow the PTS/ SOW
25.	BID PRICE BREAKDOWN: File – "4. BF PA - LPA Addendum-I" and LIST OF ITEMS OF WORK, File-"5.2 Schedule B - Attachment-II addendum-I", Item# 1.1.4,	80/100 MVA, 380/33kV vector group mentioned as YNa0d1, Please confirm to follow vector group as specified in PTS-24CM335: YNyn0+d1 Power Transformer, not Autotransformer.	PCDD to update pricing attachment based on the latest SOW/TS, Rev.01.
26.	PTS#24CM335	Please provide us with minimum BIL level of EHV transformer Neutral point.	The minimum BIL level of EHV transformer Neutral point shall be as per IEC standards and Company standard and specifications.
27.	BID PRICE BREAKDOWN File – "4. BF PA - LPA Addendum-I" and LIST OF ITEMS OF WORK File- "5.2 Schedule B - Attachment-II addendum-I"	we recommend segregating Item# A.1.1.1 into two items: 380/132/13.8kV and 380/115/13.8kV items, as they are totally different autotransformers rating and provide quantity separately for those two ratings.	The quantities mentioned against each item is only to reach contract ceiling price and bidders to follow the PTS/SOW.
28.	BID PRICE BREAKDOWN File – "4. BF PA - LPA Addendum-I)"	The quantity mentioned beside each different termination types (Oil/Air, Oil/SF6 and Oil/Oil) needs further clarification. The Quantity mentioned beside main item is clear, but the sub-quantities need to be clarified.	The quantities mentioned against each item is only to reach contract ceiling price and bidders to follow the PTS/SOW.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
29.	PTS#24CM335- Clause 4.3.B	Kindly clarify about minimum k factor of 1.4 of magnetic flux linkage peak value (P.U). Does it mean saturation point on flux linkage curve should be above 1.4x rated voltage. Please clarify. a) The CONTRACTOR shall conduct suitable studies to design. Reactors shall have non-linear windings with a minimum 'k factor' of 1.4 of magnetic flux linkage peak value (p.u).confirming to COMPANY & relevant IEC/IEEE Standards	Bidders shall consider the following for Reactor design: 1- The MANUFACTURER shall conduct suitable studies to design the reactor. The Reactors shall have non-linear windings with a minimum 'k factor' of 1.4 of magnetic flux linkage peak value (p.u).confirming to COMPANY & relevant IEC/IEEE. 2- The bushing of the Shunt Reactors shall be designed for a higher BIL rating. Manufacturer shall provide calculation to prove the adequacy of the BIL rating based on Insulation Coordination study in coordination with substation contractor
30.	PTS#24CM335	Please provide us with minimum BIL level of Shunt reactors Neutral point	The minimum BIL shall be as per SOW/TS and Company standard and specifications.
31.	PTS#24CM335- Page 21&23/62- Clause #2.B.11 & Clause #2.C.7	DGA is required for all EHV Transformers and Reactors as per 53-TMSS-03. For 100MVA Power Transformer and 60MVAr,80MVAr and 100MVAr reactors, applicable DGA as per 53-TMSS-03 is 2-Gas DGA. However, as per the NG LOTAM, only 9 Gas DGA models are approved. So, kindly confirm if 9-Gas DGA to be considered for 100MVA Power Transformer and 60MVAr,80MVAr and 100MVAr reactors.	As per clause 53-TMSS-03, DGA shall be for 9 gases + moisture for 100MVA/MVAR and above ratings. For less than 100 MVA/MVAR, the minimum number of 2 gases + moisture shall be provided.
32.	PTS#24CM1046- Page 20/60- Clause #2.B, item #8	LVN bushing will be connected to copper bus bar and brought down to bottom of the transformer for connection to NGR cable or earth cable. Hence no cable support required. Please confirm. 8. Neutral Grounding Resistors (NGR) (if applicable) — Cable Tray/Support on the Power Transformer shall be provided for the cable connecting the NGR with LVN Bushing.	Cable Tray/Cable support on the Power Transformer for the cable connecting with NGR is required.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
33.	PTS#24CM1046- Page 21/60- Clause #2.B, item #9	Provision for Grounding transformer in the LV cable box is not required as LV is star connected in all transformers listed in PTS#24CM1046. Please confirm. 9. Grounding Transformer (if applicable) — Provide the provision for grounding transformer in the LV Cable Box.	Provision for Grounding transformer in the tertiary cable box is required.
34.	PTS#24CM1046- Clause#4.2A & B	Kindly confirm if Surge arrester brackets provision is required in LV (13.8 and 33kV) Cable box.	Surge arrester provision including brackets is required for all tertiary cable box. The requirements of surge arrester will be indicated during PO, if required.
35.	PTS#24CM1046- Page 50/60- Clause #4.2.C.o.ii	Bidding under this purchase contract shall be for altitude less than or equal 1000m. Please confirm. ii. For power transformer(s) to be installed in locations with elevation higher than 1000m up to 3000m (if applicable), the power transformer(s) accessories (including bushing dimensions), shall be properly designed to meet the specific environment requirements.	Bidder understating is not correct.
36.	PTS#24CM1046- Page 51/60- Clause #4.2.C.p.iii	All the special tests as per IEC/IEEE to be conducted on one unit of each type. Please confirm that short circuit test not meant by this clause, no short circuit will be conducted under this purchase contract. iii. All Special Tests listed under clause 6.3.1 of 53-TMSS-01, shall be carried out on all Power Transformers under this Purchase Contract. All other special tests required per IEC/ANSI shall be carried out only on one representative Power Transformer unit for each type of Power Transformer under this Purchase Contract.	As indicated in the SOW/TS, All Special Tests listed under clause 6.3.1 of 53-TMSS-01, shall be carried out on all Power Transformers under this Purchase Contract. All other special tests required per IEC/ANSI shall be carried out only on one representative Power Transformer unit for each type of Power Transformer under this Purchase Contract.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
37.	PTS#24CM1046 Clause 4.5/Table 4.01	No calculations and drawings will be required during bid stage, including transformer layout drawing. Please confirm.	Refer to clause 4.5 of the SOW/TS.
38.	PTS#24CM1046 Appendix-2	Blank data Schedules (under column "A") are provided for HV Transformers and Reactors, SEC may kindly provide the filled-in Data Schedules under column "A".	Refer to Amendment-1 to the PTS-24CM1046.
39.	PTS#24CM1046- Page 51/60- Clause 4.3.B.a	Kindly clarify about minimum k factor of 1.4 of magnetic flux linkage peak value (p.u). Does it mean saturation point on flux linkage curve should be above 1.4x rated voltage. Please clarify. a) The CONTRACTOR shall conduct suitable studies to design. Reactors shall have non-linear windings with a minimum 'k factor' of 1.4 of magnetic flux linkage peak value (p.u).confirming to COMPANY & relevant IEC/IEEE Standards	E&DD To Reply Bidders shall consider the following for Reactor design: 1- The MANUFACTURER shall conduct suitable studies to design the reactor. The Reactors shall have non-linear windings with a minimum 'k factor' of 1.4 of magnetic flux linkage peak value (p.u).confirming to COMPANY & relevant IEC/IEEE. 2- The bushing of the Shunt Reactors shall be designed for a higher BIL rating. Manufacturer shall provide calculation to prove the adequacy of the BIL rating based on Insulation Coordination study in coordination with substation contractor
40.	PTS#24CM1046	The neutral insulation level of Shunt reactors shall be clarified. What is the required BIL level of neutral.	The minimum BIL shall be as per SOW/TS and Company standard and specifications.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
41.	EHV SOW - 24CM335-Final for SECTION 2 INTERFACE REQUIREMENTS B. TRANSFORMER EQUIPMENT/WORK INTERFACE	QUOTED: <table><tr><th>#</th><th>Work / Equipment / Item</th><th>TRANSFORMER MANUFACTURER</th><th>SUBSTATION CONTRACTOR</th></tr><tr><td>5.</td><td>Surge Arresters</td><td>Provide (96, 108 or 120 kV; as applicable) outdoor, station class, metal-oxide Surge Arresters. Provide mounting brackets of the surge arresters adjacent to the HV outdoor air bushings.</td><td>Install onto brackets o Power Transformers, ter test and commission arresters.</td></tr></table> UNQUOTED 4.3 SHUNT REACTOR EQUIPMENT & FACILITIES **A. 380kV BUS SHUNT REACTORS** Complete 380kV Line Shunt Reactor(s), 150/120/100/80/60 MVAR shall be supplied, including all bushings, bushing current transformers, monitoring sensors/ devices and other accessories. ① Whether lightning arresters are installed at the top and end of the 380kV Bus Shunt Reactor, ② Whether the lightning arresters are provided by the reactor manufacturer. Please confirm **B. 380kV LINE SHUNT REACTORS** Complete 380kV Line Shunt Reactor(s), 150/120/100/80/60 MVAR shall be supplied, including all bushings, bushing current transformers, monitoring sensors/ devices and other accessories. ① Whether lightning arresters are installed at the top and end of the 380kV Line Shunt Reactor ② Whether the lightning arresters are provided by the reactor manufacturer. Please confirm	**The following reply is applicable for Bus or Line reactors** 1. Location of Surge arrester shall be before the reactor equipment. 2. In case the connection between circuit breakers and Reactors is through GIB/cables, surge arrester will be provided by GIS Manufacture. If the connection between circuit breaker and reactors through bare conductors, Reactor Manufacturer shall provide outdoor Surge arrestor with its support structure near the reactor equipment (not on Brackets).

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
42.	EHV SOW - 24CM335-Final:	QUOTED TRANSMISSION MATERIALS STANDARD SPECIFICATION 58-TMSS-01, Rev.02 6.0 DATA SCHEDULE OIL IMMERSED SHUNT REACTOR 33kV THROUGH 380kV 4.2 Performance Characteristics and Rating — Fixed/Variable Regulation Range (% of Maximum Rated Power) for Variable Shunt Reactor Rated Power (Mvar) at Rated Voltage Low Voltage Winding — Yes/No Rated Voltage(V) — 400V_{ac} Rating (kVA) UNQUOTED According to the above parameter table, the involved agreements are as follows: 4.3 SHUNT REACTOR EQUIPMENT & FACILITIES **A. 380kV BUS SHUNT REACTORS** Complete 380kV Bus Shunt Reactor(s), 150/120/100/80/60 MVAR shall be supplied, including all bushings, bushing current transformers, monitoring sensors/ devices and other accessories. ① Whether the reactors of the above capacities (150/120/100/80/60 MVAR) are fixed or adjustable? If they are adjustable capacities, please provide the range of adjustable capacities. ② Whether the reactors of the above capacities (150/120/100/80/60 MVAR) require low voltage windings (Low Voltge Winding). Please confirm **B. 380kV LINE SHUNT REACTORS** Complete 380kV Line Shunt Reactor(s), 150/120/100/80/60 MVAR shall be supplied, including all bushings, bushing current transformers, monitoring sensors/ devices and other accessories. ① Whether the reactors of the above capacities (150/120/100/80/60 MVAR) are fixed or adjustable? If they are adjustable capacities, please provide the range of adjustable capacities. ② Whether the reactors of the above capacities (150/120/100/80/60 MVAR) require low voltage windings (Low Voltge Winding). Please confirm	1- Type of reactor is fixed not adjustable. 2- Low voltage winding is not required.

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43.	HV SOW - 24CM1046 - Final:	QUOTED **FINAL** **SCOPE OF WORK AND TECHNICAL SPECIFICATIONS** **FOR** **PURCHASE CONTRACT FOR TRANSFORMERS AND REACTORS** **PTS - 24CM1046** **TRANSMISSION MATERIALS STANDARD SPECIFICATION** **58-TMSS-01, Rev.02** 6.0 DATA SCHEDULE OIL IMMERSED SHUNT REACTOR 33kV THROUGH 380kV REFERENCE SECTION NO. / DESCRIPTION / 'A' / 'B' / 'C' 4.2 Performance Characteristics and Rating — Fixed/Variable Regulation Range (% of Maximum Rated Power) for Variable Shunt Reactor Rated Power (Mvar) at Rated Voltage Low Voltage Winding — Yes/No Rated Voltage(V) — $400V_{ac}$ Rating (kVA) UNQUOTED According to the above parameter table, the protocols involved are as follows: 4.3 HV SHUNT REACTOR EQUIPMENT & FACILITIES **A. 132KV, BUS SHUNT REACTORS** Complete 132kV Bus Shunt Reactor(s), 40 MVAR shall be supplied, including all bushings, bushing current transformers, monitoring sensors/ devices and other accessories. ① Whether the reactors of the above capacities (40 MVAR) are fixed or adjustable? If they are adjustable capacities, please provide the range of adjustable capacities. ② Whether the reactors of the above capacities (40 MVAR) require low voltage windings (Low Voltge Winding). Please confirm	1- Type of reactor is fixed not adjustable. 2- Low voltage winding is not required.

	Reference in Bid Package	BIDDER'S QUERY	COMPANY (National Grid SA) RESPONSE
44.		DGA Requirement for EHV as it is not clear if it is required or not and there is not attached data schedule for the same.	E&DD to reply: DGA is required as per section II & Section-IV of the SOW/TS. Refer to Addendum-1 to the SOW/TS for the required Data Schedule.
45.		For selecting of sub-suppliers make and type, are we allowed to choose more than one supplier, as it's not practical to have one supplier for 7 years.	Bidder understanding is Noted but SEC/NG standards to be followed